

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|---------------------|
| S1 | 1 | ("20050228208").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/24 21:46 |
| S2 | 0 | (defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:17 |
| S3 | 84 | (defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same dielectric | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:37 |
| S4 | 0 | (defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same (dielectric with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:19 |
| S5 | 1 | (defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same (dielectric with permit\$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S6 | 1 | ((defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same dielectric) and (measur\$4 with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:46 |
| S7 | 2 | (defect\$3 with determin\$3) same (resin material\$1) same (dielectric\$3 with permeability permittivity)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:37 |
| S8 | 0 | ((defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same dielectric) and (determin\$4 with (dielectric\$3 with permit\$5)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:38 |

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|-----|------|--|------------------------------|----|----|---------------------|
| S9 | 0 | ((defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1)) and (determin\$4 with (dielectric\$3 with permit\$5)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:39 |
| S10 | 1770 | (calculat\$4 determin\$4) with permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:39 |
| S11 | 338 | (calculat\$4 determin\$4) with (dielectric\$3 near permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:40 |
| S12 | 8 | S11 and (defect\$3 with detect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:41 |
| S13 | 1 | S12 and (dpsm) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 18:32 |
| S14 | 558 | dpsm (distribut\$4 with point\$1 with source\$1 with method) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:42 |
| S15 | 1 | S14 and (dielectric\$3 with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:42 |
| S16 | 0 | S14 and (detect\$3 with material\$1 with (defect\$1 anomal\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:43 |
| S17 | 11 | S14 and (detect\$3 with defect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/20 16:43 |

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|-----|------|--|------------------------------|----|-----|---------------------|
| S24 | 5 | ((("5760434") or ("5770500") or ("6060355") or ("6090655") or ("6124164")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/21 10:45 |
| S25 | 15 | ((("4505555") or ("4523473") or ("5684626") or ("5930499") or ("5994752") or ("4245615") or ("4246742") or ("4262458") or ("4278111") or ("4291664") or ("4295789") or ("4300492") or ("4304084") or ("4311889") or ("4312386")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/21 10:59 |
| S26 | 1 | ("7016028").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/21 11:00 |
| S27 | 9 | (defect\$1 with monitor\$3) same (permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 11:02 |
| S28 | 5 | ("20020038199" "20030167616" "5329465" "5452438" "6370957").PN. OR ("7103507").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 11:16 |
| S29 | 43 | (material structure\$1) with (deteriorat\$3 defect\$1 damage\$1) with (dielectric\$3 with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:23 |
| S30 | 8789 | (dielectric\$3 adj (constant permittivity)) with (determin\$3 calculat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:24 |
| S31 | 79 | ((dielectric\$3 adj (constant permittivity)) with (determin\$3 calculat\$3)) same (defect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:24 |
| S32 | 8 | ((dielectric\$3 adj (constant permittivity)) with (determin\$3 calculat\$3)) same (defect\$3 near (structure material\$1)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 15:31 |

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| S33 | 0 | (structure with ((emission emit\$3) and (detect\$3))) same (defect\$1) same (electric\$3 with field\$1 with component\$1) same (permittivity with (dielectric\$3 constant)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:27 |
| S34 | 0 | (structure with ((emission emit\$3) and (detect\$3))) same (defect\$1) same (electric\$3 with field\$1 with component\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:27 |
| S35 | 1 | (electric\$3 with field\$1 with component\$1) same (permittivity) same (defect\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:57 |
| S36 | 701 | structur\$3 with (health defect\$3)with monitor\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:57 |
| S37 | 1 | structur\$3 with (health defect\$3)with monitor\$3 with permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:58 |
| S38 | 19 | (structur\$3 with (health defect\$3)with monitor\$3) and permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 12:58 |
| S39 | 13 | (structur\$3 with (health defect\$3)with monitor\$3) and (permittivity with (constant\$1 dielectric\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 16:41 |
| S40 | 1 | ("2002/0154029").URPN. | USPAT | OR | ON | 2007/02/21 15:21 |
| S41 | 0 | liebeaux with placko | USPAT | OR | ON | 2007/02/21 15:21 |
| S42 | 0 | liebeaux with n | USPAT | OR | ON | 2007/02/21 15:21 |
| S43 | 24 | placko | USPAT | OR | ON | 2007/02/21 15:25 |

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|-----|-----|--|----------------------------------|----|----|---------------------|
| S44 | 0 | placko and (distributed near sources) | USPAT | OR | ON | 2007/02/21 15:21 |
| S45 | 898 | distributed with sources with method | USPAT | OR | ON | 2007/02/21 15:25 |
| S47 | 10 | S45 and magnetic with cores | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 15:26 |
| S48 | 178 | (detect\$3 with damage\$1 near structure\$1 | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:29 |
| S49 | 9 | ((detect\$3 with damage\$1 near structure\$1) same (electromagnetic\$3) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S50 | 0 | ((detect\$3 with damage\$1 near structure\$1) same (electromagnetic\$3) and permittivity | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:31 |
| S51 | 0 | ((detect\$3 with damage\$1 near structure\$1) and dpsm | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:31 |
| S52 | 0 | ((detect\$3 with damage\$1 near structure\$1) and (distribut\$3 with point with source\$1 with method\$1) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:32 |
| S53 | 15 | ((detect\$3 with damage\$1 near structure\$1) and permittivity | US- PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:48 |
| S54 | 3 | ((detect\$3 with damage\$1 near structure\$1) and (permittivity with dielectric \$3) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:35 |

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| S55 | 0 | (detect\$3 with damage\$1 near structure\$1) same (permittivity) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:35 |
| S56 | 0 | (detect\$3 with damage\$1 near structure\$1) with (permittivity) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:35 |
| S57 | 9 | (detect\$3 with damage\$1 near structure\$1) same electromagnetic\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:37 |
| S58 | 0 | (detect\$3 with damage\$1 near structure\$1) same (electromagnetic\$3 near field\$1) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:37 |
| S59 | 483 | (detect\$3 with ((defect\$1 damage\$1 anomal\$3) near (structure\$1 resin))) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:38 |
| S60 | 0 | (detect\$3 with ((defect\$1 damage\$1 anomal\$3) near (structure\$1 resin))) same (permittivity with (constant dielectric\$3)) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/02/21 17:38 |
| S61 | 3 | (detect\$3 with ((defect\$1 damage\$1 anomal\$3) near (structure\$1 resin))) and (permittivity with (constant dielectric\$3)) | US- PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:48 |
| S62 | 114 | (702/38).CCLS. | US- PGPUB; USPAT; USOCR | OR | OFF | 2007/02/23 12:48 |
| S63 | 1773 | (calculat\$4 determin\$4) with permittivity | US- PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |

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| S64 | 1 | S62 and S63 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 14:03 |
| S65 | 1 | S64 and (defect\$3 damage\$3 anomal\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 14:06 |
| S66 | 0 | S64 and (detect\$3 with defect\$3 with (structur\$3 material\$1)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 14:07 |
| S67 | 1 | ((electric\$3 with field\$1 with component\$1) same (permittivity) same (defect\$1)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 14:07 |
| S68 | 0 | S62 and S67 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 14:07 |
| S69 | 120 | (702/38).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/24 21:49 |
| S70 | 1 | ((defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same dielectric) and (measur\$4 with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:48 |
| S71 | 0 | S69 and S70 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:48 |
| S72 | 5 | ((detect\$3 with ((defect\$1 damage\$1 anomal\$3) near (structure\$1 resin))) and (permittivity with (constant dielectric\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |

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| S73 | 23 | (detect\$3 with damage\$1 near structure\$1) and permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S74 | 1967 | (calculat\$4 determin\$4) with permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S75 | 0 | S69 and S72 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S76 | 0 | S69 and S73 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S77 | 13 | (detect\$3 with damage\$1 near structure\$1) same (electromagnetic\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S78 | 1 | (defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same (dielectric with permit\$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 21:49 |
| S79 | 126 | (702/38).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/15 17:40 |
| S80 | 1 | ("20050228208").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/15 17:43 |
| S81 | 462 | (600/9).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/15 17:47 |

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|-----|------|--|------------------------------|----|-----|---------------------|
| S82 | 5914 | (702/38,39,40,57,58,59,60,121,155,156,188,189,190).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/15 17:47 |
| S83 | 131 | ((calculat\$4 determin\$3) with permittivity | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:48 |
| S84 | 38 | ((calculat\$4 determin\$3) with permittivity) and (defect\$3 damag\$3 anomal\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:51 |
| S85 | 6 | ((calculat\$4 determin\$3) with permittivity) and (defect\$3 damag\$3 anomal\$4) and (electric\$3 with field\$1 with component\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:51 |
| S86 | 1 | S84 and (S81 S82) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:52 |
| S87 | 0 | S84 and (S81 S82) and S85 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:52 |
| S88 | 104 | (defect\$3 with determin\$3) same (structur\$3 railway vehicle\$1 car\$1) same dielectric\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:52 |
| S89 | 0 | (defect\$3 with determin\$3) same (structur\$3 railway vehicle\$1 car\$1) same (dielectric\$4 with permittivity) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 17:53 |
| S90 | 0 | (defect\$3 with determin\$3) same (structur\$3 railway vehicle\$1 car\$1) same (dielectric\$4 with permittiv\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 18:04 |

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| S91 | 0 | (defect\$3 with determin\$3) same (resin material\$1) same (dielectric\$3 with permeability permittivity)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/15 18:05 |
| S92 | 0 | (health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (dielectric\$3 with radiat\$3) and ((emit\$3 emis\$3) with electromag\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:30 |
| S93 | 1110 | (health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:31 |
| S94 | 5 | (health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:34 |
| S95 | 45 | ("20010001311" "20030020480" "3444738" "3755803" "3975706" "4302965" "4556063" "4594640" "4750359" "4912407" "4929896" "4977786" "5075600" "5420757" "5423206" "5423334" "5608417" "5750939" "5832772" "5873840" "5881310" "5909171" "5942991" "5975250" "6025129" "6025725" "6025735" "6111520" "6164132" "6165135" "6250430" "6278379" "6335690" "6359444" "6384721" "6412977" "6450300" "6463798" "6490920" "6532834" "6639402" "6677859" "6834251").PN. OR ("7086593").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:36 |
| S96 | 1 | (health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (magnetic\$3 with dipole\$1) and (generat\$3 with ((mangetic\$3 electromagnetic\$3) with field\$1)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:38 |
| S97 | 5914 | (702/38,39,40,57,58,59,60,121,155,156,188,189,190).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/16 11:40 |
| S98 | 462 | (600/9).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/16 11:40 |

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| S99 | 4871 | (324/765,464).CCLS. | US- PGPUB; USPAT; USOCR | OR | OFF | 2008/07/16 11:40 |
| S100 | 0 | S94 and S97 | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:41 |
| S101 | 1 | S94 and (S98 S99) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:41 |
| S102 | 1 | ((health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (defect\$3 with (detect\$3 determin\$3 sens\$3 monitor\$3))) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:41 |
| S103 | 1 | ((health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (defect\$3 with (detect\$3 determin\$3 sens\$3 monitor\$3))) and (magnetic\$3 with radiat\$4) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:41 |
| S104 | 10 | (dpsm (distribut\$4 with point\$1 with source\$1 with method)) and (S97 S98 S99) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:42 |
| S105 | 1 | (dpsm (distribut\$4 with point\$1 with source\$1 with method)) and(health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:42 |
| S106 | 1 | (dpsm (distribut\$4 with point\$1 with source\$1 with method)) and(health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (obtain\$4 with (electric\$3 with conduct\$4)) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:48 |
| S107 | 1 | (dpsm (distribut\$4 with point\$1 with source\$1 with method)) and(health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (obtain\$4 with (electric\$3 with conduct\$4)) | US- PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:49 |

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| S108 | 0 | ((dpsm (distribut\$4 with point\$1 with source\$1 with method)) and (health with monitor\$3) and (structur\$3 and (composit\$3 with material\$1)) and (permittivity with area\$1) and (obtain\$4 with (electric\$3 with conduct\$4))) .clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:52 |
| S109 | 0 | ((defect\$3 with determin\$3) same (structure railway vehicle\$1 car\$1) same dielectric) and (determin\$4 with (dielectric\$3 with permit\$5)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 11:57 |
| S110 | 1 | (structur\$3 with (health defect\$3)with monitor\$3) and (permittivity with (constant\$1 dielectric\$3)) and (radiat\$4 with extend\$3 with direct\$3) and (conductivi\$3) and (magnetic\$3 with dipole\$1) and ((emis\$4 emit\$3) with magnetic\$3) and (inhomogeneous\$3 with (structur\$3 element\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 12:01 |
| S111 | 1 | ((structur\$3 with (health defect\$3)with monitor\$3) and (permittivity with (constant\$1 dielectric\$3)) and (radiat\$4 with extend\$3 with direct\$3) and (conductivi\$3) and (magnetic\$3 with dipole\$1) and ((emis\$4 emit\$3) with magnetic\$3) and (inhomogeneous\$3 with (structur\$3 element\$3))) .clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 12:09 |
| S112 | 1 | S111 and (S97 S98 S99) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 12:10 |
| S113 | 1 | S110 and (S97 S98 S99) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/16 12:11 |

7/16/2008 12:16:56 PM

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